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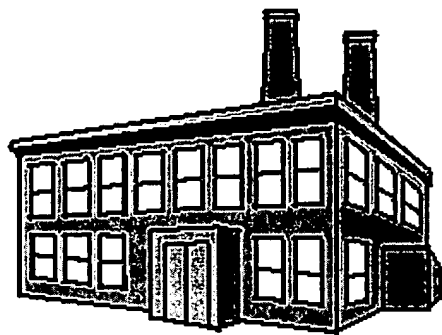
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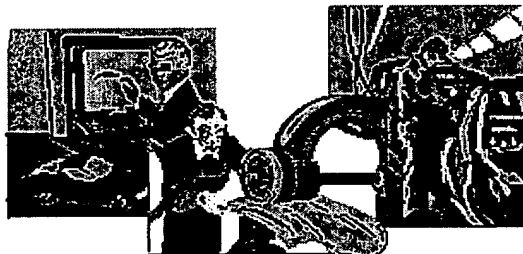
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FIGURE 1



11

13,



12—



14—

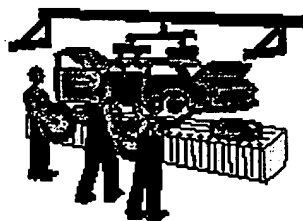


FIGURE 2

09746362-122200

A schematic diagram showing a large circle. To the left of the circle is a vertical line. A horizontal line segment, labeled '40', extends from the vertical line to the left edge of the circle. A curved line segment, labeled '42', extends from the vertical line to the bottom-left edge of the circle. The label '30' is positioned to the left of the vertical line, between the horizontal and curved segments.

FIGURE 3

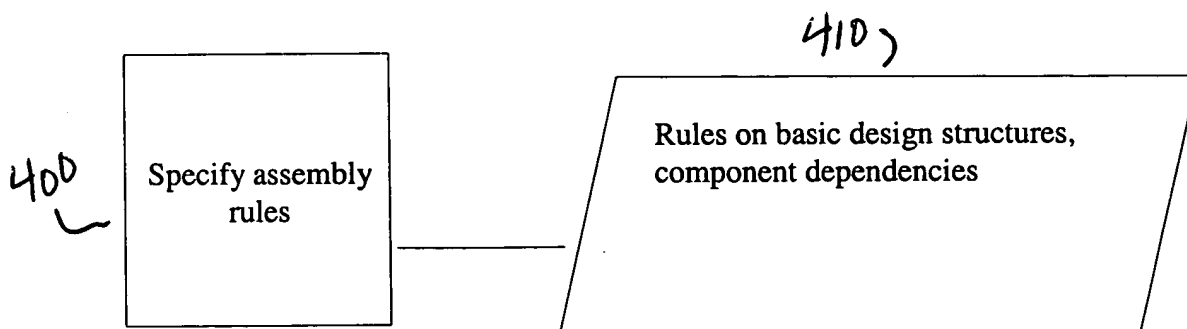
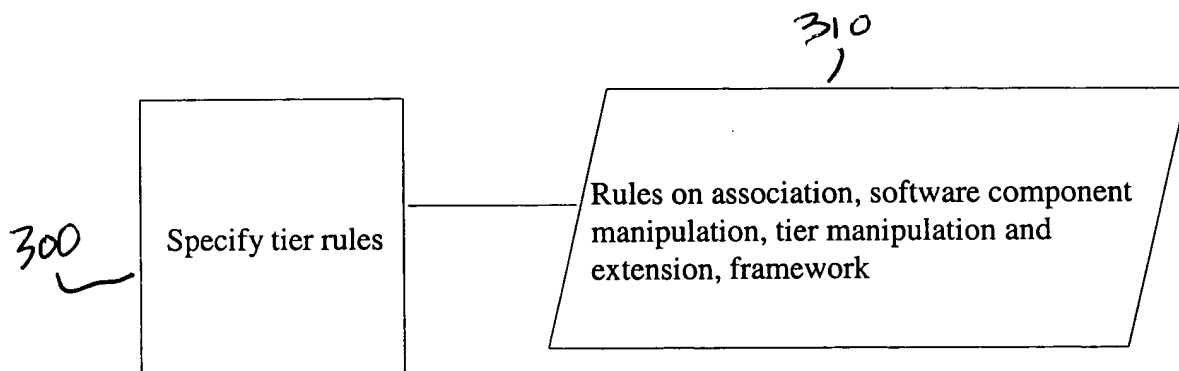
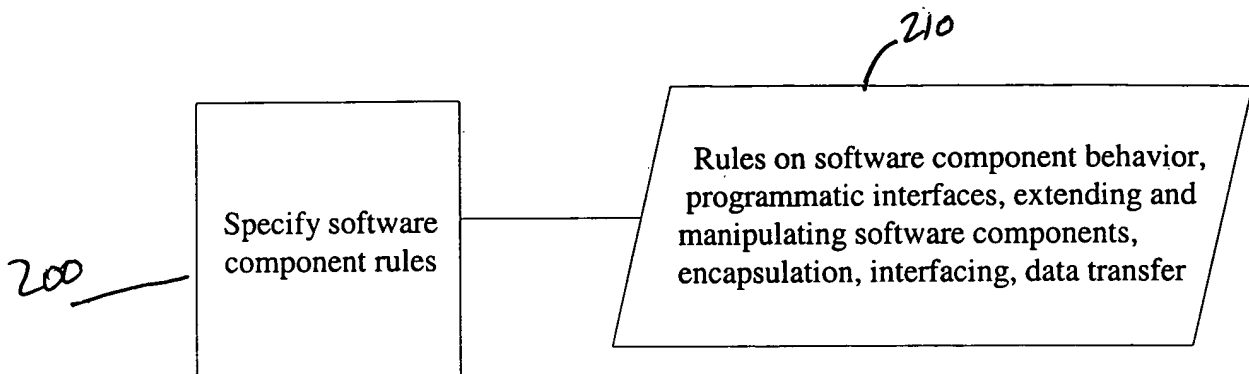


FIGURE 4

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graph TD
    Start([Start]) --> 50[50 - Do initial system design comprised of n-tiers, where n is any number.]
    50 --> 52[52 - Put system into production.]
    52 --> 54[54 - Periodically review architecture.]
    54 --> 56{56 - Are any tiers unused or do any tiers contain components that more logically fit in another tier?}
    56 -- Yes --> 58[58 - If a tier is unused and you believe it will remain so, remove it.  
If the content of a tier is more logically grouped in another tier, relocate the content and remove the tier.  
Number of tiers in architecture = n-1]
    58 --> 52
    56 -- No --> 60[/60 - New requirements come in./]
    60 --> 62{62 - Do requirements fit into a tier of the current architecture?}
    62 -- Yes --> 64[64 - Locate requirements in the appropriate tier.]
    64 --> 52
    62 -- No --> 66[66 - Determine the nature of the new tier and add it to the architecture.  
Number of tiers in architecture = n+1]
    66 --> 52

```

FIGURE 5

```

graph TD
    Start([Start]) --> 70[Determine application requirements.]
    70 --> 72[Organize required objects according to current GeoCOM architecture.]
    72 --> 74[Review GeoCOM software inventory.]
    74 --> 76{Do any of the objects already exist in the software inventory?}
    76 -- Yes --> 78[Mark those objects as complete on the project development plan.]
    76 -- No --> 80[Design, implement, verify, test and validate remaining objects.]
    78 --> 80
    80 --> 82{Are any of the objects suitable for reuse?}
    82 -- No --> 86[Determine the nature of the new tier and add it to the architecture.  
Number of tiers in architecture = n+1]
    82 -- Yes --> 84{Do objects fit into a tier of the current architecture?}
    84 -- No --> 86
    84 -- Yes --> 88[Add the new object(s) to the architecture.  
Number of tiers in architecture = n]
    86 --> End([End])
    88 --> End
  
```

FIGURE 6

Deborah

1000

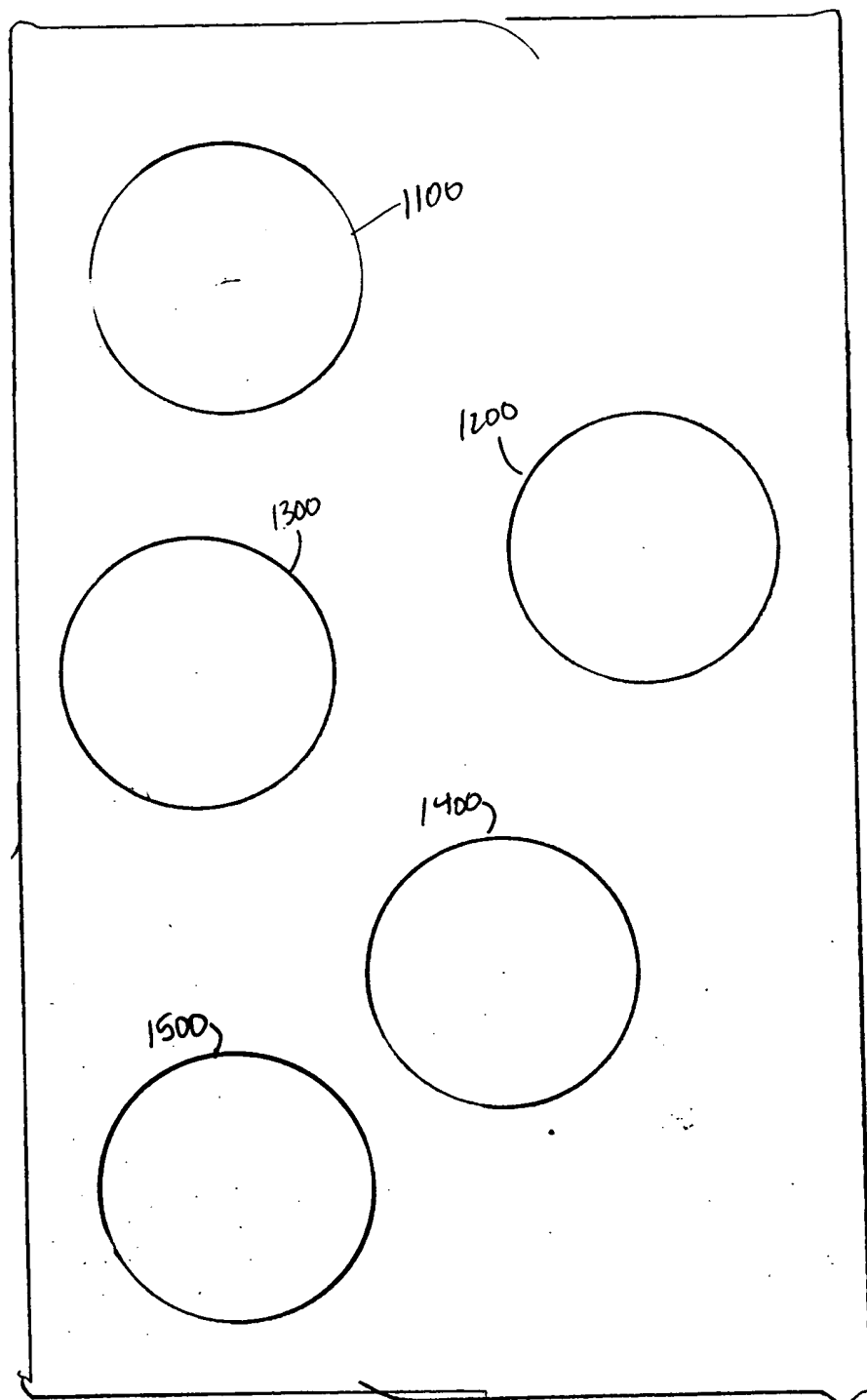
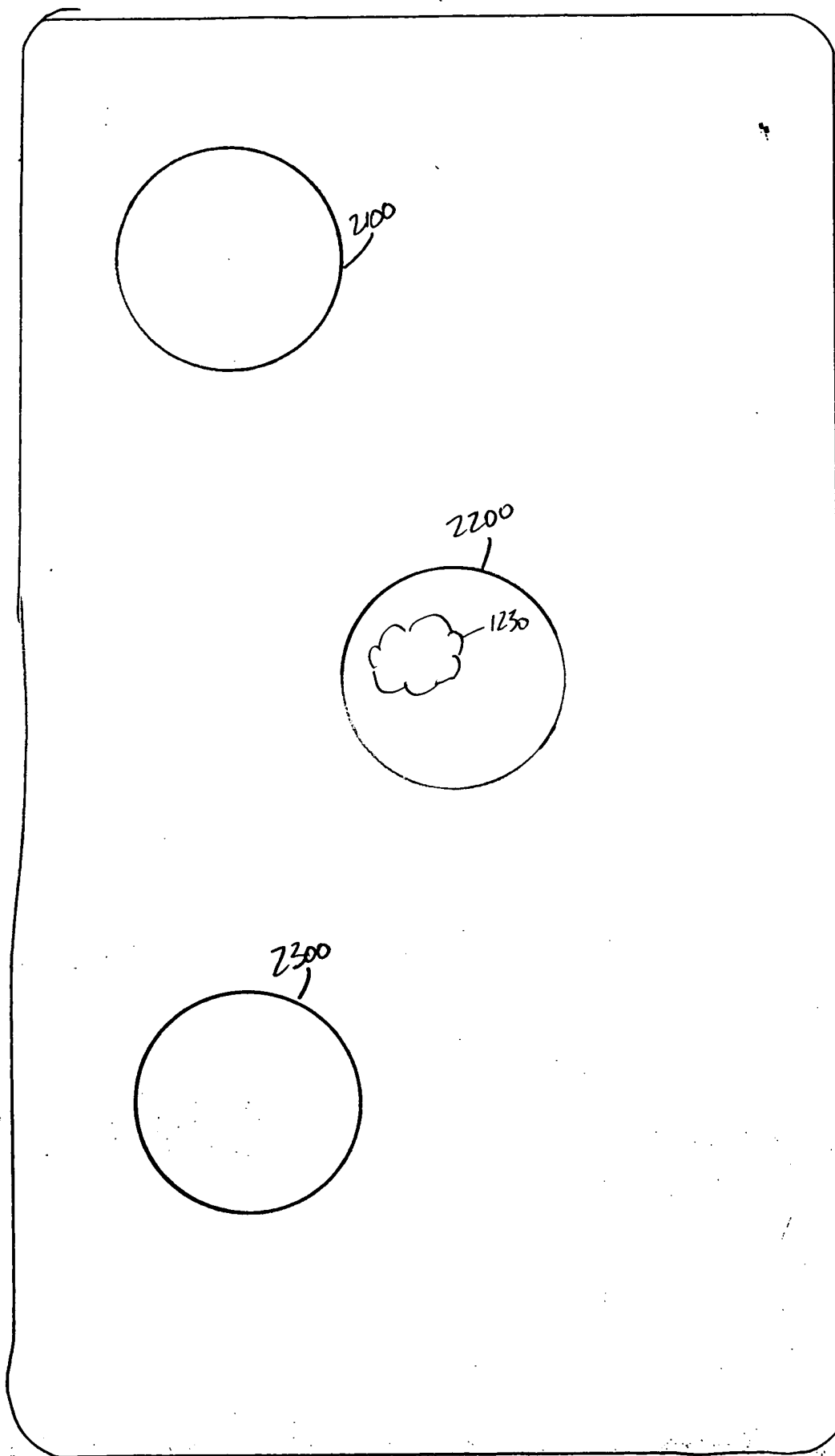


Fig 7

2000



Ev8

DOZING IN THE JUNGLE

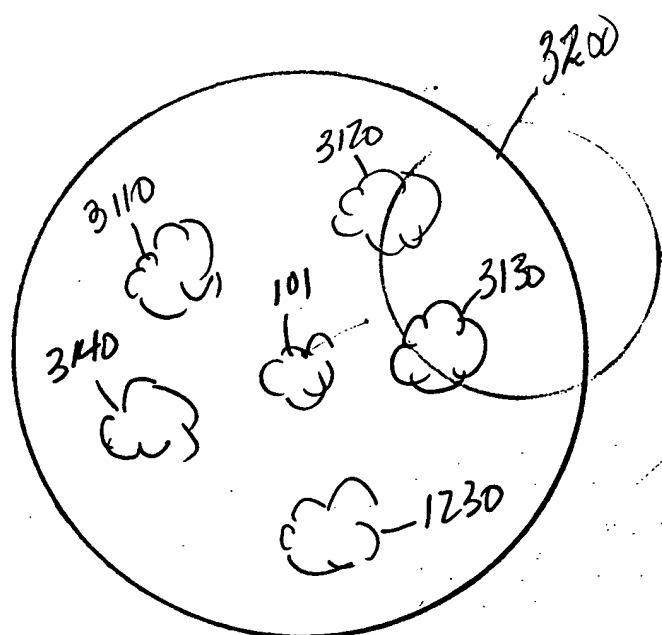
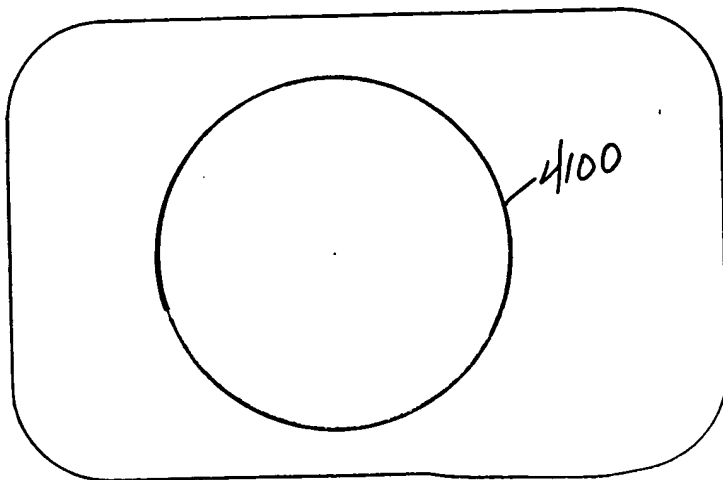


Fig 9

A diagram showing a large circle labeled 300D. Inside this circle are two smaller circles. The upper-left inner circle is labeled 3011, and the lower-right inner circle is labeled 3012.

Fig 10

4000



4100

Fig 11

002227 29E94263

00222T 23E9463 0974633E 122200
5000

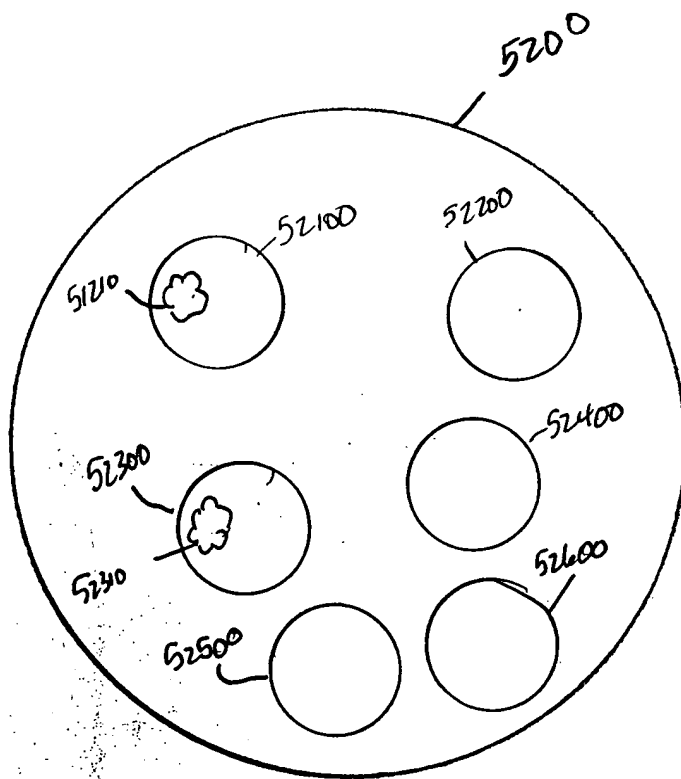
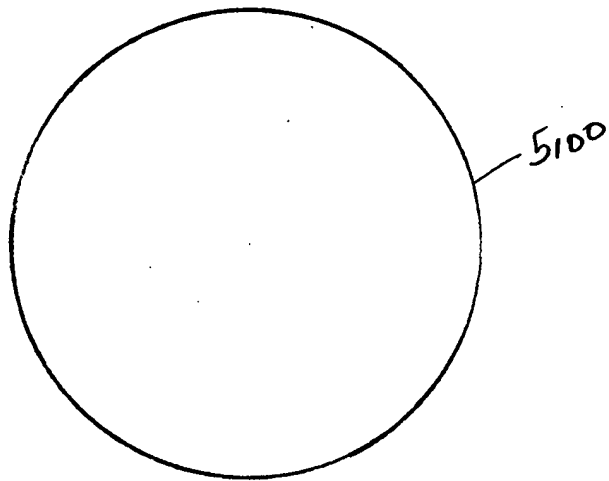


Fig 12

00222T 29E 947600
0974636E 12200
6000 ↗

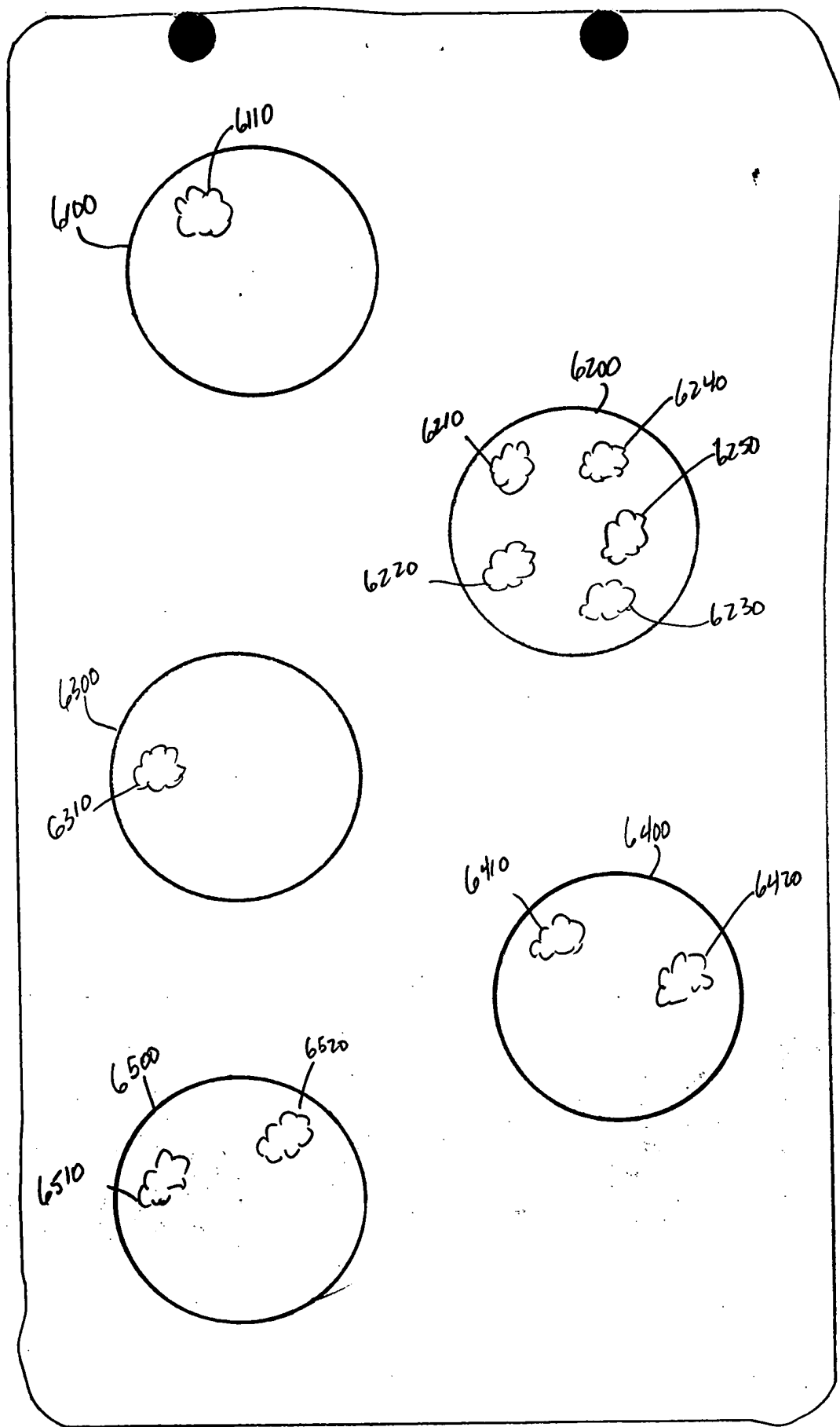


Fig 13

00222T-23E9460

7000
↘

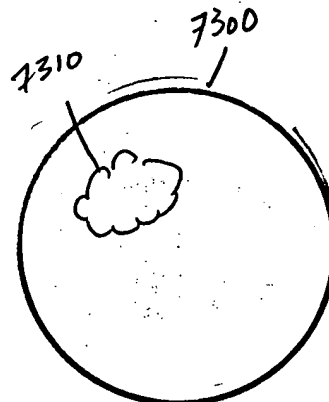
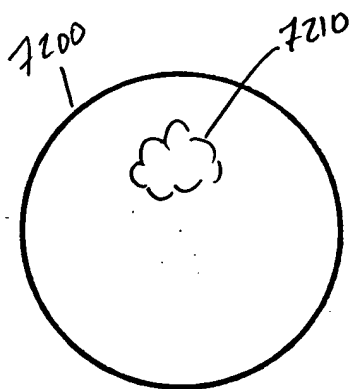
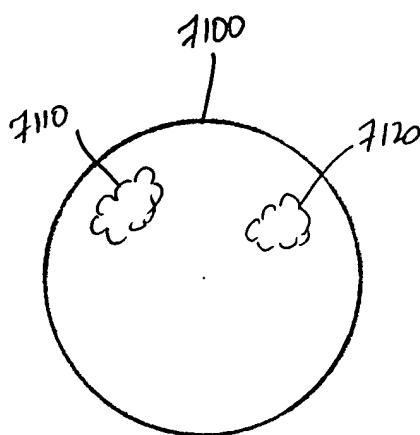
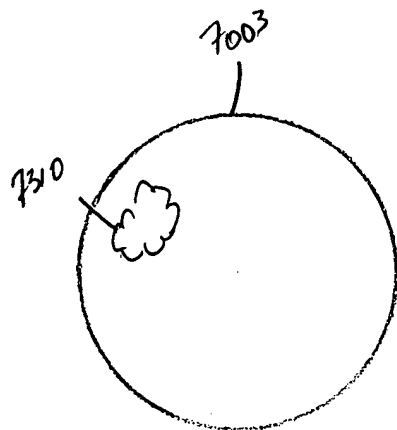
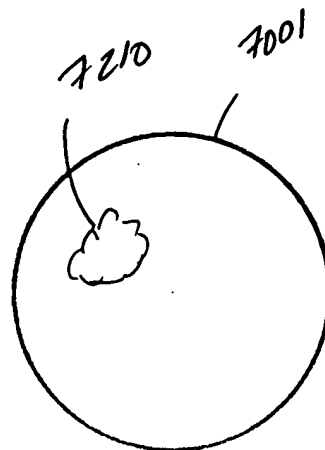
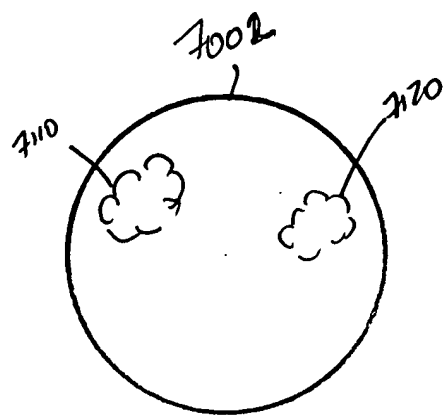


Fig 14

097053162-122000
8000 ↗

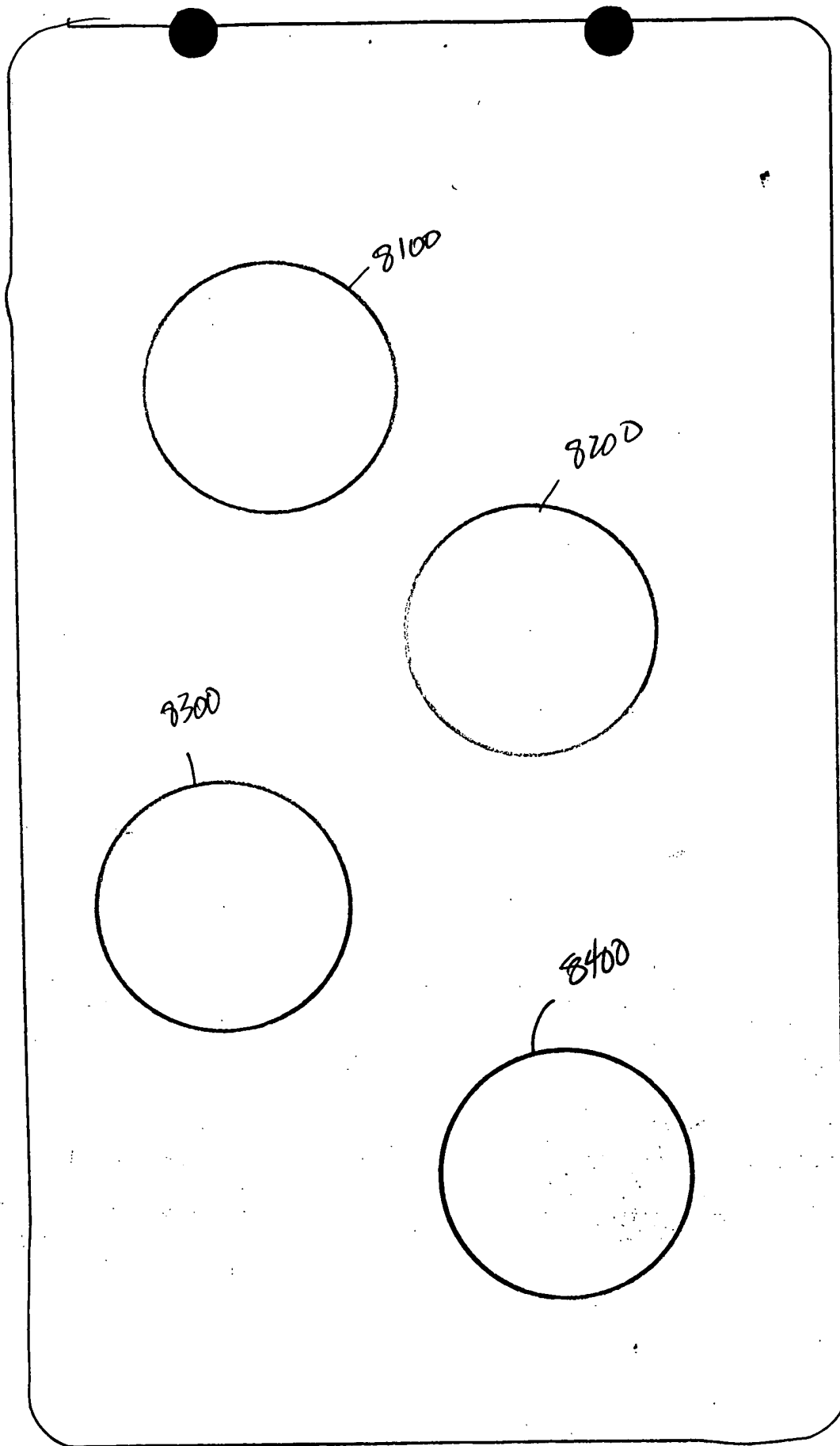


Fig 1b

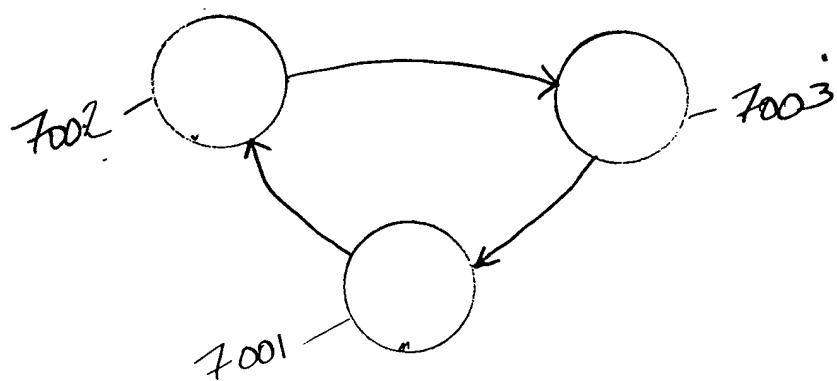


Fig 15

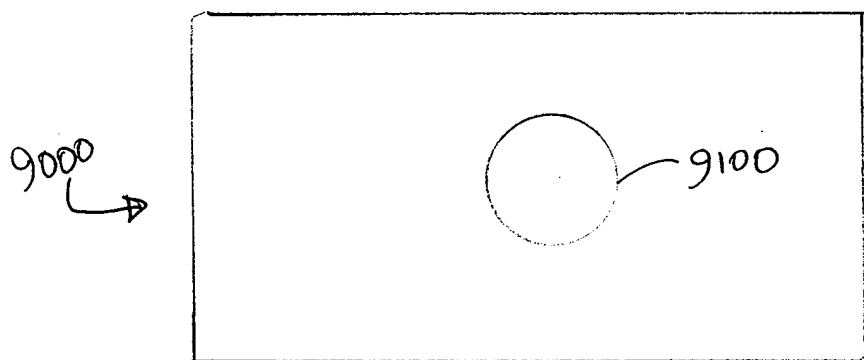


Fig 17

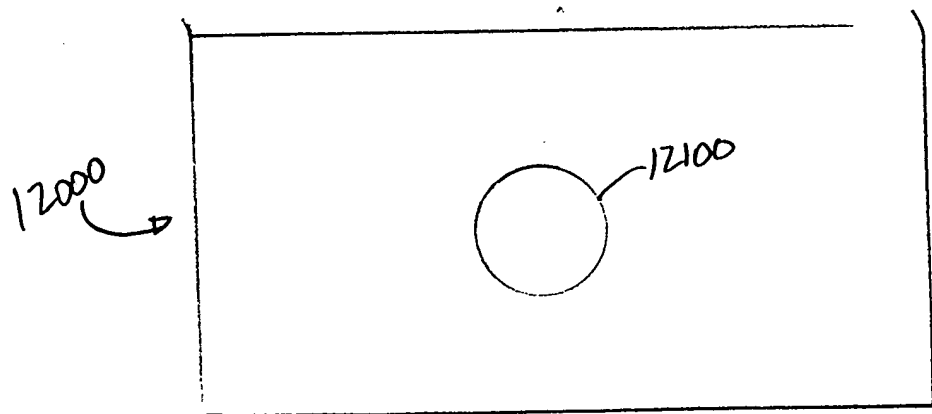


Fig 18

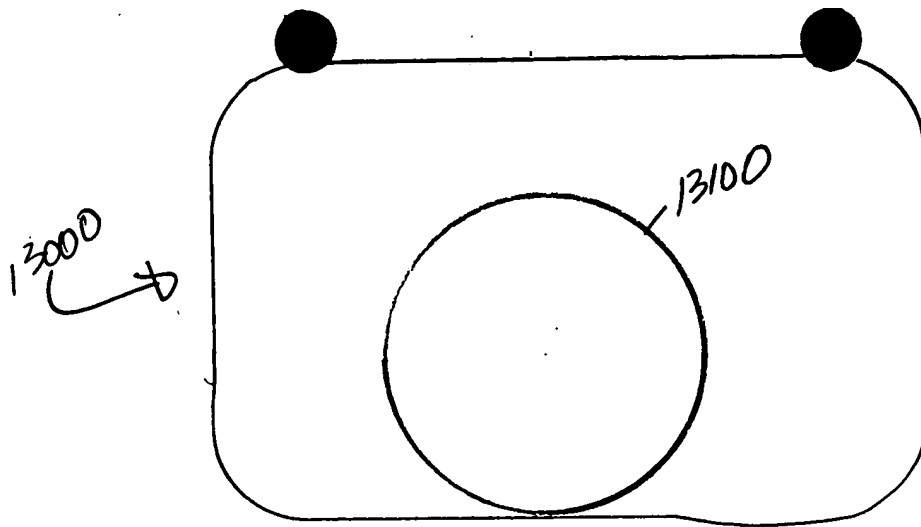


Fig 19

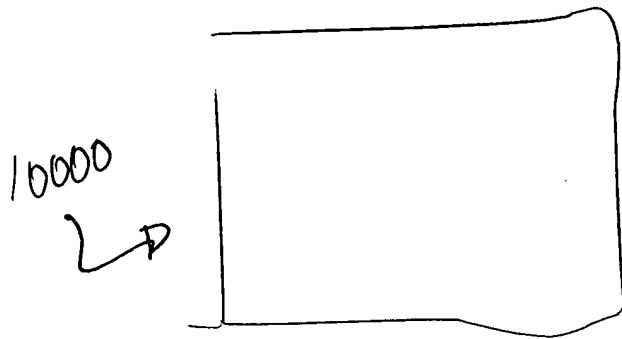


Fig 20

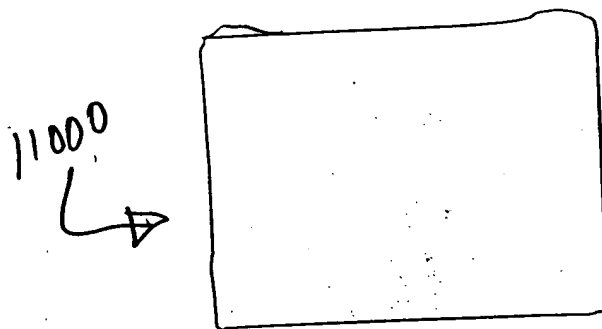


Fig 21

00746362-122200

THE UNIVERSITY OF CHICAGO

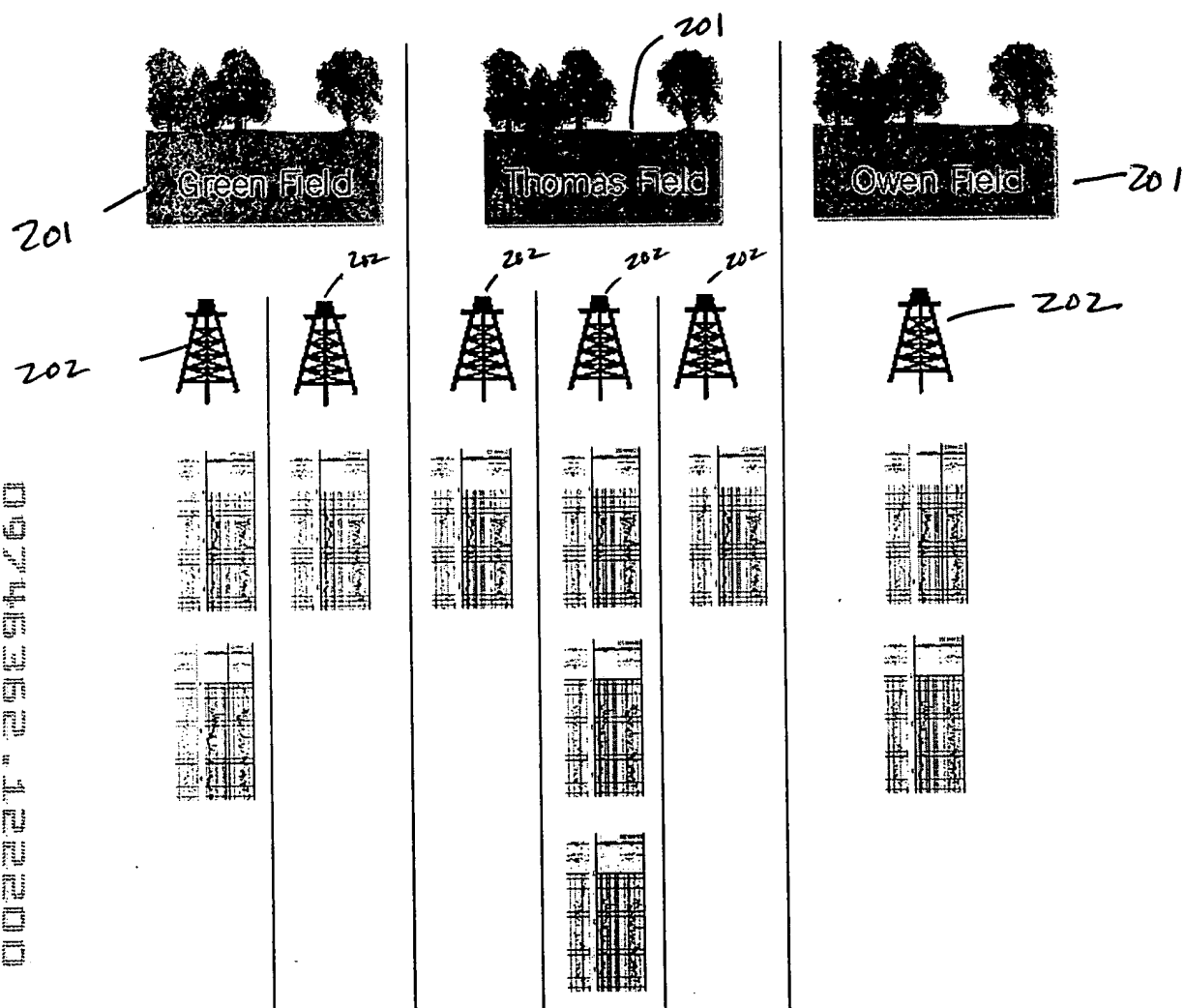
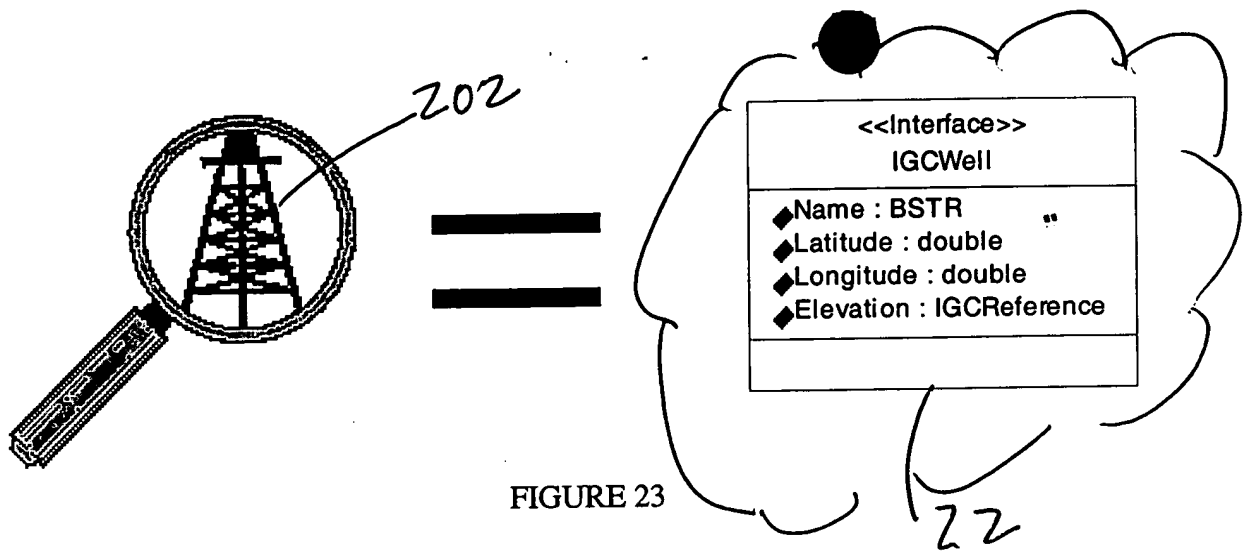
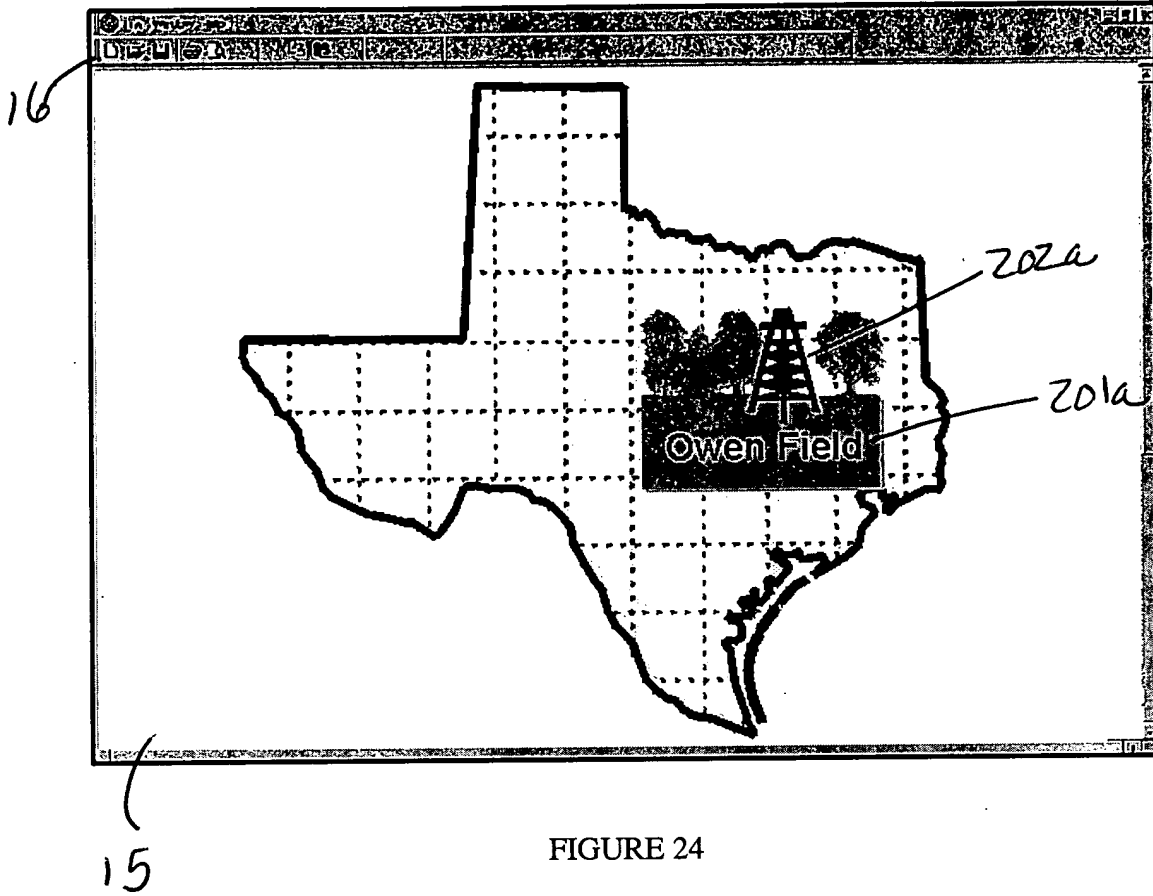


FIGURE 22

THE JOURNAL



00222T-29E94.60



09746362-122200

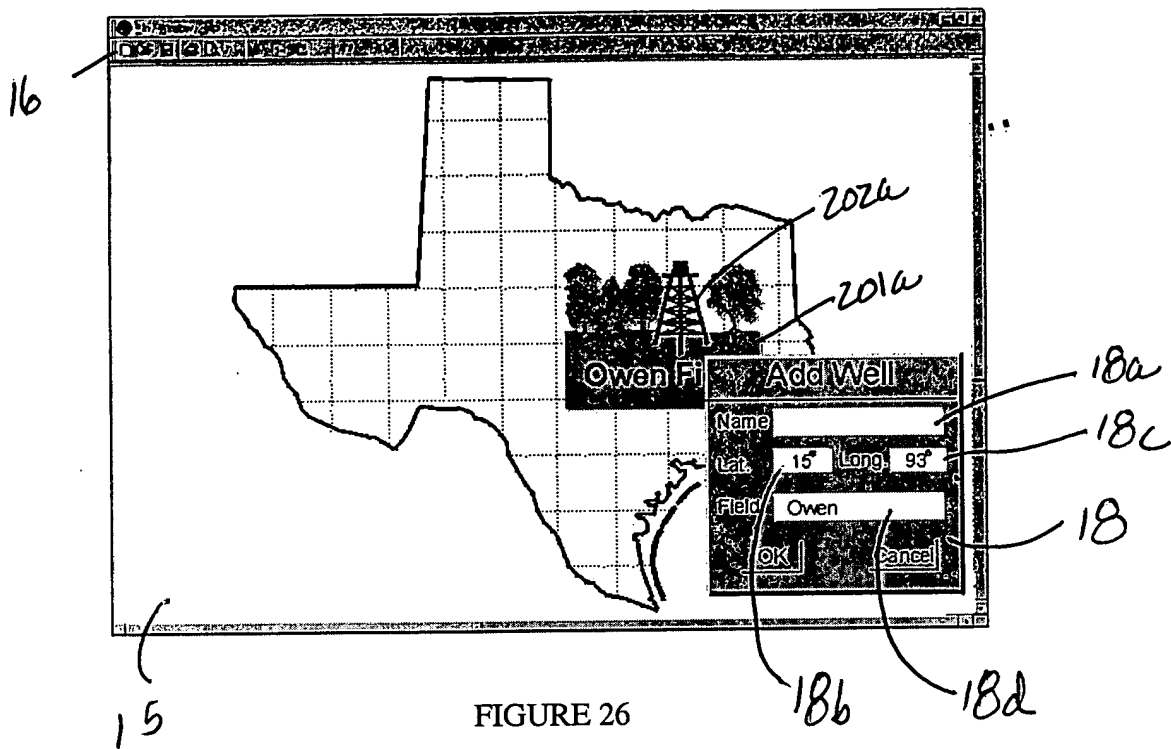


FIGURE 26

09746362-122200

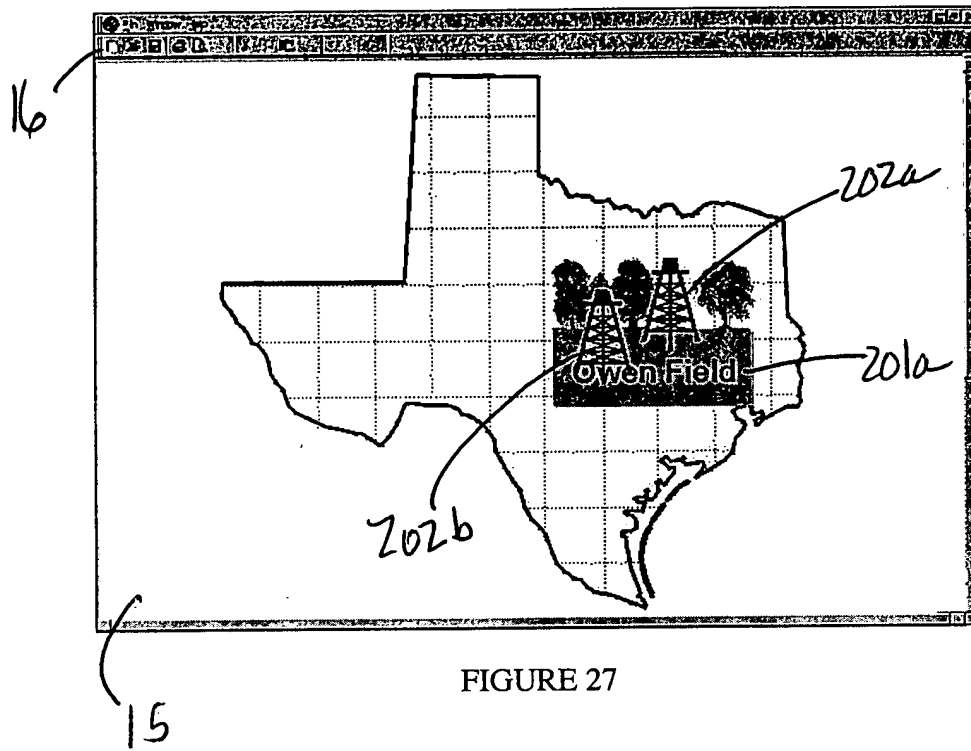


FIGURE 27

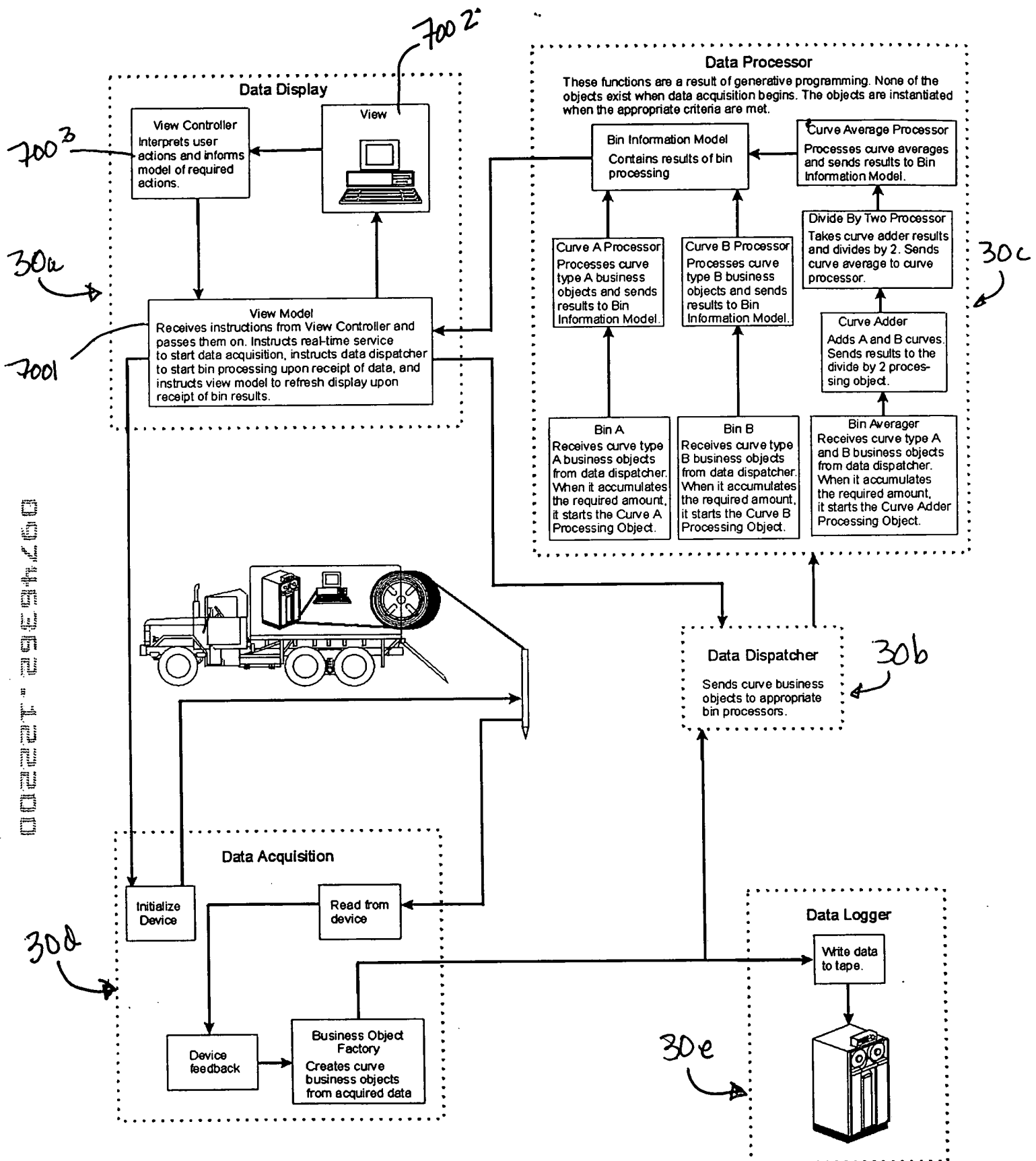


FIGURE 28